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TRANSMITTAL LETTER FOR THE SCOPE OF WORK SPECIFYING THE PROCEDURES
REQUIRED BY THE STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL
PROTECTION TO INVESTIGATE AND INITIATE CORRECTIVE ACTIONS FOR
DISCHARGES NWS EARLE NJ
8/2/1990
STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

Let's protect our earth



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES

CN 029
Trenton, N.J. 08625-0029

Office of
the Director

AUG 02 1990

(609) 292-1637
Fax # (609) 984-7938

Mr. William Matthaey
Naval Weapons Station Earle
Route 34
Colts Neck, NJ 07722

CERTIFIED
RETURN RECEIPT REQUESTED

Re: Discharge from Underground Storage Tank System
Naval Weapons Station, Buildings (G) & (S) - 100 & 105
Colts Neck Township, Monmouth County
Case #90-05-09-1324
UST #0151003

Dear Mr. Matthaey:

On May 9, 1990, the New Jersey Department of Environmental Protection (the Department) received notification of a discharge of hazardous substances from your facility. While testing #2 fuel oil underground storage tanks, tanks failed Petro-Tight test.

Any discharge of hazardous substances not in compliance with a valid permit is in violation of the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq., and the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq. Violators are liable for penalties of up to \$50,000 per day for each day of a continuing violation.

Enclosed is a Scope of Work specifying the procedures required by the Department to investigate and initiate corrective actions for the discharge from your facility. These procedures are intended to be implemented by a hydrogeologic consultant who meets the technical qualifications of the Department. The hydrogeologic consultant must have sufficient professional training and experience to conduct a satisfactory investigation and cleanup as outlined in the Scope of Work. Since the Department does not license or certify such consultants, it is recommended that you research the qualifications of any consultant prior to retaining their services. Examples of acceptable qualifications include licenses from other states or professional certificates from national trade associations. This information must be submitted along with the Discharge



Investigation and Corrective Action Report (DICAR) described later in this letter.

In accordance with the procedures outlined in the Scope of Work, you are required to do the following:

1. Reporting Requirements (Section I, Page 1)

- a. If you have not already done so, notify the Department's Environmental Action Hot Line (609-292-7172) and the local health department of the discharge.
- b. Notify the Department and the local health department if public or private potable supply wells are contaminated or if contamination threatens surface water intakes.
- c. Notify the Department and the local fire and health departments if vapors or other fire hazards are present.
- d. Comply with any other reporting requirements listed in Section I of the Scope of Work.

2. Immediate Cleanup Requirements (Section III, Page 3)

- a. Determine the source of the discharge.
- b. Cease use of the underground storage tank system(s) involved in the discharge.
- c. Mitigate any fire, safety or health hazard including, but not limited to, hazards from combustible vapor or vapor inhalation and the removal of ignition sources.
- d. Conduct an inspection to detect any above ground discharge, and where any discharge is evident, mitigate the effects of the discharge.

3. Discharge Mitigation Requirements (Section IV, Page 4)

In addition to the immediate cleanup requirements, you must also do the following:

- a. Perform activities concerning site characterization as outlined in Section IV A of the Scope of Work.
- b. Determine the horizontal and vertical extent of ground water contamination via installation and sampling of monitoring wells.
- c. Implement recovery of free product, if any, as soon as it has been detected.
- d. Remove and/or treat soils contaminated by free product (i.e. soils at residual saturation). The Department will determine the need for additional soil remediation.

4. Discharge Investigation and Corrective Action Report

(Section I, Page 1)

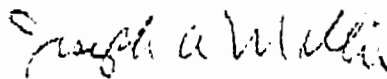
A written report (DICAR) must be submitted to this Bureau at the above address, within 120 days of the date of this letter, specifying all activities conducted in compliance with the requirements listed in this letter. A DICAR Summary Sheet must be included with the report. In addition, a schedule with implementation target dates for those activities remaining to be completed to comply with all requirements must be submitted at the same time. Upon review of the DICAR, the Department will notify you of any further requirements.

Should the goals noted in the Scope of Work document fail to be completed upon submission of your report, investigation / remediation shall continue in a manner consistent with the guidance provided in the Scope of Work while waiting for comments from the Department.

Failure to comply with the requirements listed in this letter and enclosed Scope of Work may result in the assessment of penalties as provided by law.

If you have any questions, please contact Stephen Tatar or any other available member of my staff at (609) 984-3156.

Very truly yours,



Joseph A. Miller
Section Chief
Discharge Investigation Section
Bureau of Underground Storage Tanks

GWQM360: 11s

c: Lester W. Jargowsky, Monmouth County Health Department

Enclosures: Scope of Work
DICAR Summary Sheet





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DICAR SUMMARY SHEET for Case # _____

Fill in "Yes", "No", "N/A" (non-applicable) or "U" (unknown) after each completed statement and the appropriate response after each uncompleted statement. Explain any "U" or "N/A" responses.

1.) The substance(s) discharged was (were) _____

2.) The highest ground water contamination at any 1 sampling location and at any 1 sampling event to date has been determined to be:

- a.) _____ ppb total BTEX, _____ ppb total non-targeted VOC
- b.) _____ ppb total B/N, _____ ppb total non-targeted B/N
- c.) _____ ppb MTBE, _____ ppb TBA
- d.) _____ ppb _____ (for non-petroleum substance)
- e.) greatest thickness of separate phase product found _____
- f.) separate phase product has been delineated _____

3a.) A well search (including a review of manual well records) indicates that private, municipal or commercial wells do exist within the distances specified in the Scope of Work. _____

b.) The number of these wells identified is _____.

4a.) The shallowest depth of any well noted in the well search which may be in the horizontal or vertical potential path (s) of the contaminant plume(s) is _____ feet below grade (consideration has been given for the effects of pumping, subsurface structures, etc. on the direction(s) of contaminant migration). This well is _____ feet from the source and its screening begins at a depth of _____ feet.

b.) The shallowest depth to the top of the well screen for any well in the potential path of the plume(s) (as described in #4a above) is _____ feet below grade. This well is located _____ feet from the source.

c.) The closest horizontal distance of a private, commercial or municipal well in the potential path of the plume (as determined in #4a) is _____ feet from the source. This well is _____ feet deep and screening begins at a depth of _____ feet.

5.) A plan for separate phase product recovery has been included. _____

6.) A ground water contour map has been submitted which includes the ground water elevations for each well. _____ (OVER)





7.) Any vapor hazards which the consultant or the client have become aware of have been mitigated. _____

8a.) The ground water contaminants have been delineated to MCLs or lower values at the property boundaries. _____

b.) The plume is suspected to continue off the property at concentrations greater than MCLs. _____

c.) Off property access: is being sought/ has been approved/ has been denied (circle one). _____

9.) Boring logs have been included. _____

10.) The scaled site map includes the following:

a.) north arrow and scale _____

b.) locations of above ground structures, _____

c.) locations, depths & function of sub-surface structures _____

d.) locations, depths and contents of the removed tank(s) _____

e.) locations of wells and the well permit #s _____

f.) analytical results of all ground water samples _____

g.) locations of surface water bodies _____

11a.) All free product contaminated soil on the property boundaries and above the water table are believed to have been removed from the subsurface. _____

b.) free product contaminated soils are suspected to exist below the water table. _____

c.) free product contaminated soils are suspected to exist off the property boundaries. _____

12.) The registration number(s) for the investigated tanks have been provided in this report. _____

This form must be signed by the consultant responsible for reviewing or preparing the contents of the report AND by the client who is submitting this report.

I am aware that any incomplete statements may result in delays in the Department's decision-making process which may increase costs due to possible spread of the contamination. Any items herein marked N/A, No or U have been explained and are included and referenced herein. I am aware that it is not necessary to wait for comments from the Department in order to continue investigations at this site.

Consulting Firm: _____

Name of Consultant: _____

Signature: _____ Phone # _____

Client's Company Name: _____

Client's Name: _____ Phone # _____